

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP03/00314

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ D21H19/60, D21H19/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ D21H11/00-27/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, D21H19/60, D21H19/54, PVA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 11-279991 A (Nippon Paper Industries Co., Ltd.), 12 October, 1999 (12.10.99), Par. No. [0051], comparative example 1; Par. No. [0057], table 1 (Family: none)	1, 3, 9 2, 4 5-8
Y A	JP 7-279096 A (New Oji Paper Co., Ltd.), 24 October, 1995 (24.10.95), Full text (Family: none)	2, 4 1, 3, 5-9
A	JP 2001-30619 A (Mitsubishi Paper Mills Ltd.), 06 February, 2001 (06.02.01), Full text (Family: none)	1-9

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
07 April, 2003 (07.04.03)

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Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-256988 A (Mitsubishi Paper Mills Ltd.), 19 September, 2000 (19.09.00), Full text (Family: none)	1-9